10536519

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:29:44 ON 10 JUL 2007

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 17:30:29 ON 10 JUL 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JUL 2007 HIGHEST RN 941818-42-4
DICTIONARY FILE UPDATES: 9 JUL 2007 HIGHEST RN 941818-42-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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Uploading C:\Program Files\Stnexp\Queries\10536519.str

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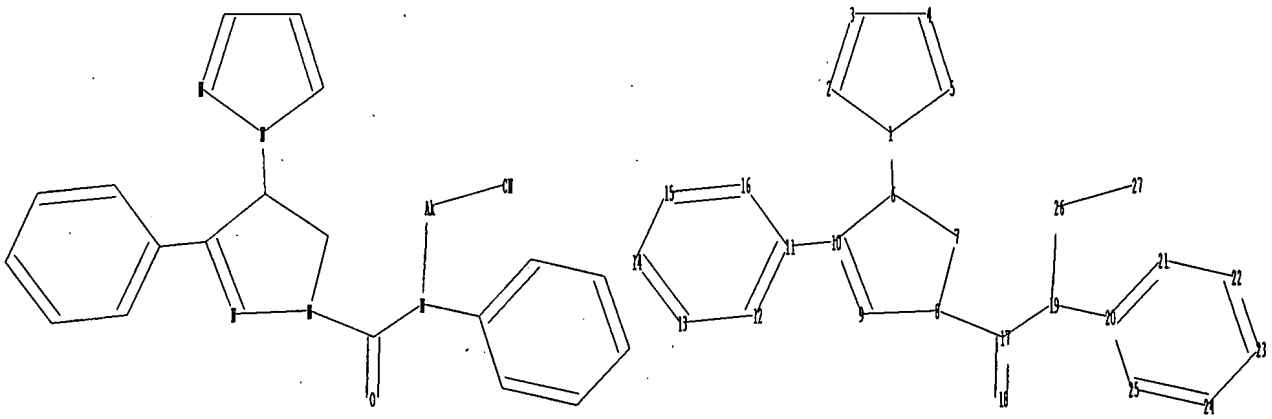

chain nodes :
17 18 19 26 27
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 20 21 22 23 24 25
chain bonds :
1-6 8-17 10-11 17-18 17-19 19-20 19-26 26-27
ring bonds :
1-2 1-5 2-3 3-4 4-5 6-7 6-10 7-8 8-9 9-10 11-12 11-16 12-13 13-14
14-15 15-16 20-21 20-25 21-22 22-23 23-24 24-25
exact/norm bonds :
1-2 1-5 1-6 2-3 3-4 4-5 6-7 6-10 7-8 8-9 8-17 9-10 17-18 17-19 19-20
19-26 26-27
exact bonds :
10-11
normalized bonds :
11-12 11-16 12-13 13-14 14-15 15-16 20-21 20-25 21-22 22-23 23-24 24-25

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:CLASS
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:CLASS 27:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR

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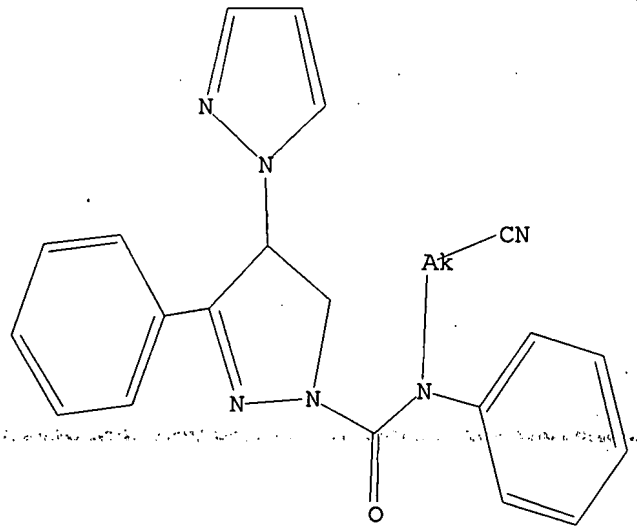

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full
FULL SEARCH INITIATED 17:31:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 80 TO ITERATE

100.0% PROCESSED 80 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

L2 6 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.55	172.76

FILE 'CAPLUS' ENTERED AT 17:31:34 ON 10 JUL 2007
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FILE COVERS 1907 - 10 Jul 2007 VOL 147 ISS 3
FILE LAST UPDATED: 9 Jul 2007 (20070709/ED)

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10536519

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l2
L3 4 L2

=> d ibib abs hitstr tot

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L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:509956 CAPLUS
DOCUMENT NUMBER: 141:54332
TITLE: Preparation of pyrazolinecarboxanilides as arthropodicides
INVENTOR(S): Fuchs, Rainer; Maurer, Fritz; Konze, Joerg; Arnold, Christian
PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany
SOURCE: Ger. Offen., 24 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

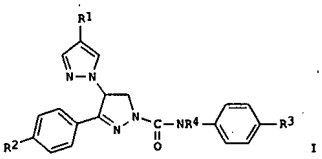
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10257080	A1	20040624	DE 2002-10257080	20021206
IN 2003MU01191	A	20050909	IN 2003-MU1191	20031118
WO 2004052865	A1	20040624	WO 2003-EP13141	20031122
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003302907	A1	20040630	AU 2003-302907	20031122
EP 1569909	A1	20050907	EP 2003-812587	20031122
EP 1569909	B1	20060705		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016148	A	20050927	BR 2003-16148	20031122
CN 1717394	A	20060104	CN 2003-80104522	20031122
JP 2006515580	T	20060601	JP 2004-557923	20031122
AT 332291	T	20060715	AT 2003-812587	20031122
US 2006100260	A1	20060511	US 2005-536519	20051213

PRIORITY APPLN. INFO.: DE 2002-10257080 A 20021206
WO 2003-EP13141 W 20031122

OTHER SOURCE(S): MARPAT 141:54332
GI

Current app.

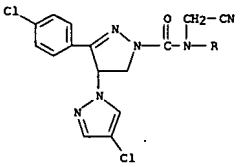
L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

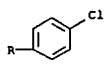


AB Title compds. [I; R1 = halo; R2, R3 = cyano, halo, haloalkyl, haloalkoxy, alkylthio, haloalkylthio, alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl, haloalkylsulfonyl; R4 = cyanoalkyl], were prepared Thus, a mixture of 3-(4-chlorophenyl)-4-(4-chloropyrazol-1-yl)-4,5-dihydro-1H-pyrazole (preparation given), Et3N, and CH2Cl2 was treated with N-cyanomethyl-N-(4-chlorophenyl)carbamic acid chloride at 0° followed by stirring for 18 h at room temperature to give 79% 3-(4-chlorophenyl)-4-(4-chloropyrazol-1-yl)-4,5-dihydro-1-pyrazole-(N-cyanomethyl-4-chloro)anilide. Several I at 100 ppm gave 100% kill of Phaedon cochleariae on Brassica oleracea.

IT 705930-77-4P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrazolinecarboxanilides as arthropodicides)

RN 705930-77-4 CAPLUS
CN [1,4'-Bi-1H-pyrazole]-1'-carboxamide, 4-chloro-N,3'-bis(4-chlorophenyl)-N-(cyanomethyl)-4',5'-dihydro- (9CI) (CA INDEX NAME)





L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:678807 CAPLUS
DOCUMENT NUMBER: 139:180072
TITLE: Preparation of 4-pyrazolyl-4,5-dihydro-1H-pyrazole-1-carboxamides as pesticides
INVENTOR(S): Maurer, Fritz; Fuchs, Rainer; Erdelen, Christoph; Konze, Joerg; Turberg, Andreas
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
SOURCE: PCT Int. Appl., 88 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003070724	A1	20030828	WO 2003-EP1179	20030206
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10206791	A1	20030828	DE 2002-10206791	20020219
IN 2003MU00134	A	20050304	IN 2003-MU134	20030203
AU 2003246700	A1	20030909	AU 2003-246700	20030206
EP 1478644	A1	20041124	EP 2003-742511	20030206
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003007820	A	20041214	BR 2003-7820	20030206
US 2005159603	A1	20050721	US 2003-504357	20030206
CN 1646523	A	20050727	CN 2003-808772	20030206
JP 2005532266	T	20051027	JP 2003-569631	20030206

PRIORITY APPLN. INFO.: DE 2002-10206791 A 20020219
WO 2003-EP1179 W 20030206

OTHER SOURCE(S): MARPAT 139:180072
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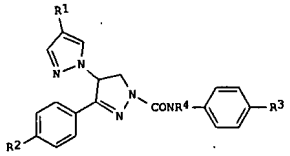

AB Title compds. [I; R1 = (substituted) heteroaryl; R2 = halo, haloalkyl, (halo)alkoxy, (halo)alkylthio, (halo)alkylsulfonyl, haloalkylsulfinyl,

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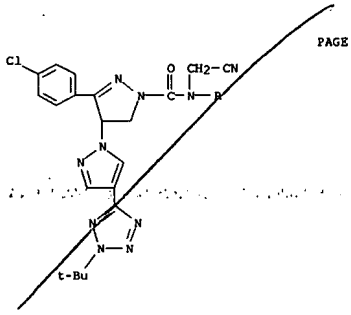
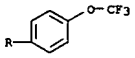
L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
cyano; R3 = halo, haloalkyl, (halo)alkoxy, (halo)alkylthio, haloalkylsulfonyl, haloalkylsulfinyl, cyano; R4 = H, cyanomethyl, alkoxycarbonyl], were prepd. Thus, a mixt. of 3-(4-chlorophenyl)-4-[4-2(tert-butyltetrazol-5-yl)pyrazol-1-yl]-4,5-dihydro-1H-pyrazole (prepn. given), Et3N, and Me tert-amyl ether was treated with 4-trifluoromethoxyphenyl isocyanate at 70° followed by stirring for 15 min at 70° to give 64% N-[(4-trifluoromethoxy)phenyl]-3-(4-chlorophenyl)-4-[4-(2-tert-butyltetrazol-5-yl)pyrazole]-4,5-dihydro-1H-pyrazole-1-carboxamide. Several I at 500 ppm gave 100% kill of Phaedon cochleariae on Brassica oleracea.

IT 581814-51-9P 581814-55-3P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrazolyldihydropyrazolecarboxamides as pesticides)

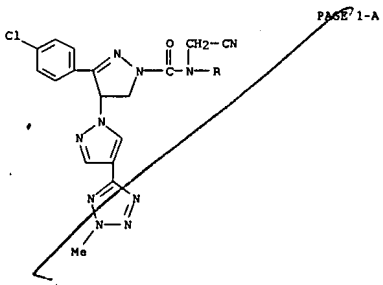
RN 581814-51-9 CAPLUS
CN [1,4'-Bi-1H-pyrazole]-1'-carboxamide, 3'-(4-chlorophenyl)-N-(cyanomethyl)-4-[2-(1,1-dimethylethyl)-2H-tetrazol-5-yl]-4',5'-dihydro-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

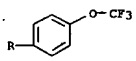




RN 581814-55-3 CAPLUS
CN [1,4'-Bi-1H-pyrazole]-1'-carboxamide, 3'-(4-chlorophenyl)-N-(cyanomethyl)-4',5'-dihydro-4-(2-methyl-2H-tetrazol-5-yl)-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)





REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

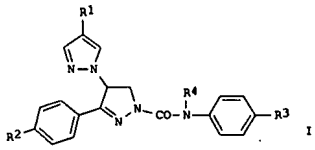
ACCESSION NUMBER: 2003:570963 CAPLUS
DOCUMENT NUMBER: 139:117441
TITLE: Preparation of 1,4'-bi-1H-pyrazoles for use as pesticidal coating material agents
INVENTOR(S): Maurer, Fritz; Fuchs, Rainer; Erdelen, Christoph; Turberg, Andreas
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
SOURCE: PCT Int. Appl., 84 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003059887	A1	20030724	WO 2003-EP58	20030107
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10201544	A1	20030731	DE 2002-10201544	20020117
AU 2003201158	A1	20030730	AU 2003-201158	20030107
EP 1467971	A1	20041020	EP 2003-729425	20030107
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003006910	A	20041221	BR 2003-6910	20030107
US 2005107456	A1	20050519	US 2003-501414	20030107
JP 2005520808	T	20050714	JP 2003-559991	20030107
CN 1642919	A	20050720	CN 2003-806352	20030107

PRIORITY APPLN. INFO.: DE 2002-10201544 A 20020117
WO 2003-EP58 W 20030107

OTHER SOURCE(S): MARPAT 139:117441
GI

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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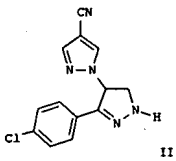

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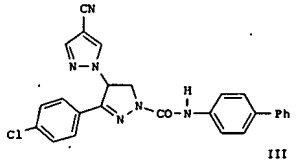


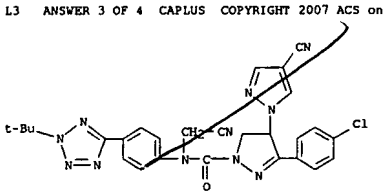
III

AB Title compds. I [R1 = halo, CN; R2 = halo, haloalkyl, alkoxy, etc.; R3 = (un)substituted aryl, heteroaryl; R4 = H, cyanomethyl, alkoxycarbonyl] were prepared For example, condensation of pyrazoline II, e.g., prepared from 2-bromo-4'-chloroacetophenone in 2-steps, and 4-phenylphenylisocyanate afforded pyrazole III in 69% yield. In Spodoptera frugiperda pesticide studies with Brassica oleracea, 5-examples of compds. I, e.g., pyrazole III, at 500 ppm exhibited 100% mortality after 7-days. Compds. I are claimed useful as pesticidal coating material agents.

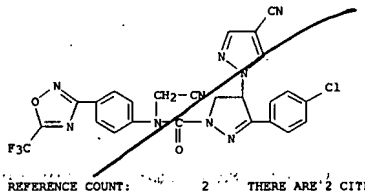
IT 564485-61-6P 564485-63-8P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compound; preparation of bipyrazoles for use as pesticidal coating material agents)

RN 564485-61-6 CAPLUS
CN [1,4'-Bi-1H-pyrazole]-1'-carboxamide, 3'-(4-chlorophenyl)-4-cyano-N-(cyanomethyl)-N-[4-[2-(1,1-dimethylethyl)-2H-tetrazol-5-yl]phenyl]-4',5'-dihydro- (9CI) (CA INDEX NAME)

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 564485-63-8 CAPLUS
CN [1,4'-Bi-1H-pyrazole]-1'-carboxamide, 3'-(4-chlorophenyl)-4-cyano-N-(cyanomethyl)-4',5'-dihydro-N-[4-[5-(trifluoromethyl)-1,2,4-oxadiazol-3-yl]phenyl]- (9CI) (CA INDEX NAME)



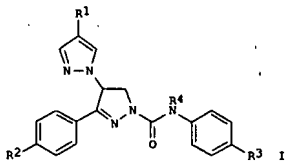
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:74062 CAPLUS
DOCUMENT NUMBER: 138:137306
TITLE: Preparation of pyrazolylpyrazolines as insecticides
INVENTOR(S): Maurer, Fritz; Fuchs, Rainer; Erdelen, Christoph; Reckmann, Udo; Turberg, Andreas
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
SOURCE: Ger. Offen., 26 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10135551	A1	20030130	DE 2001-10135551	20010720
IN 2002MU00603	A	20050318	IN 2002-MU603	20020704
WO 2003010148	A1	20030206	WO 2002-EP7569	20020708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002325308	A1	20030217	AU 2002-325308	20020708
EP 1412334	A1	20040428	EP 2002-758322	20020708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002011337	A	20040928	BR 2002-11337	20020708
CN 1555363	A	20041215	CN 2002-818238	20020708
JP 2005504748	T	20050217	JP 2003-515507	20020708
PRIORITY APPLN. INFO.:			DE 2001-10135551 A	20010720
			WO 2002-EP7569 W	20020708

OTHER SOURCE(S): CASREACT 138:137306; MARPAT 138:137306
GI

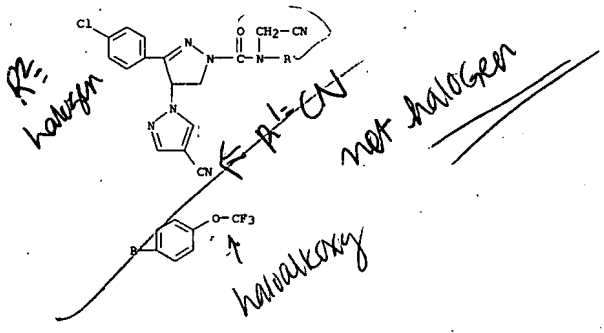


L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

AB Title compds. [I; R1 = cyano, alkoxycarbonyl, carbamoyl, thiocarbamoyl, alkylaminocarbonyl, dialkylaminocarbonyl; R2 = halo, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, alkylsulfinyl, haloalkylsulfonyl, cyano; R3 = halo, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, haloalkylsulfinyl, haloalkylsulfonyl, cyano; R4 = H, cyanomethyl, alkoxycarbonyl], were prepared Thus, a mixture of 3-(4-chlorophenyl)-4-(4-cyanopyrazol-1-yl)-4,5-dihydro-1H-pyrazole (preparation given), Et3N, and Me tert-Bu ether was treated with 4-chlorophenylisocyanate at 70° followed by stirring for 15 min at 70° to give 80% N-(4-chlorophenyl)-1-[3-(4-chlorophenyl)-4(4-cyanopyrazol-1-yl)-4,5-dihydropyrazole]carboxamide. The latter at 500 ppm gave 100% kill of Heliothis virescens caterpillars after 6 days.

IT 491840-54-1P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrazolylpyrazolines as insecticides)

RN 491840-54-1 CAPLUS
CN [1,4'-Bi-1H-pyrazole]-1'-carboxamide, 3'-(4-chlorophenyl)-4-cyano-N-(cyanomethyl)-4',5'-dihydro-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



R1: halogen ← R1=CN not halogen
haloalkoxy

Karen Cheng